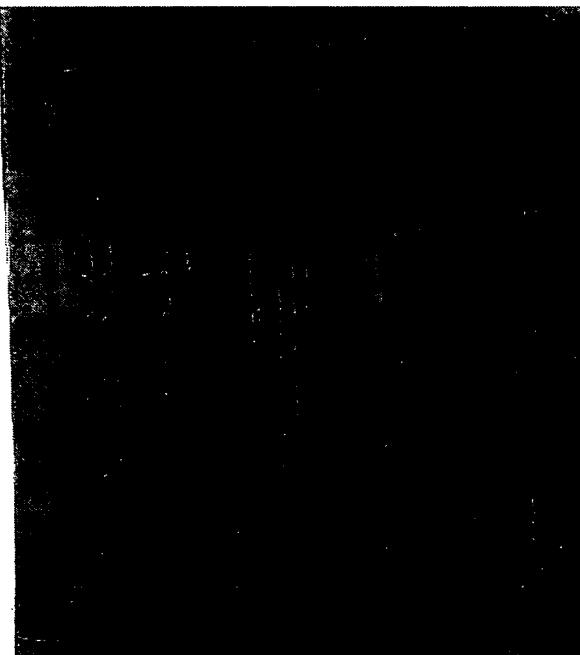


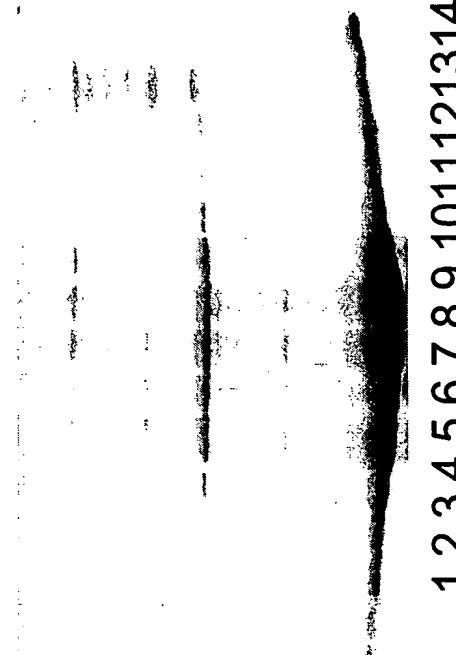
Appl. No. *To Be Assigned*; Filed: *Herewith*
Dkt. No. 1700.0310001; Group Art Unit: *To Be Assigned*
Inventors: Bachmann *et al.*; Tel: 202/371-2600
Title: Molecular Antigen Arrays

Fig. 1A



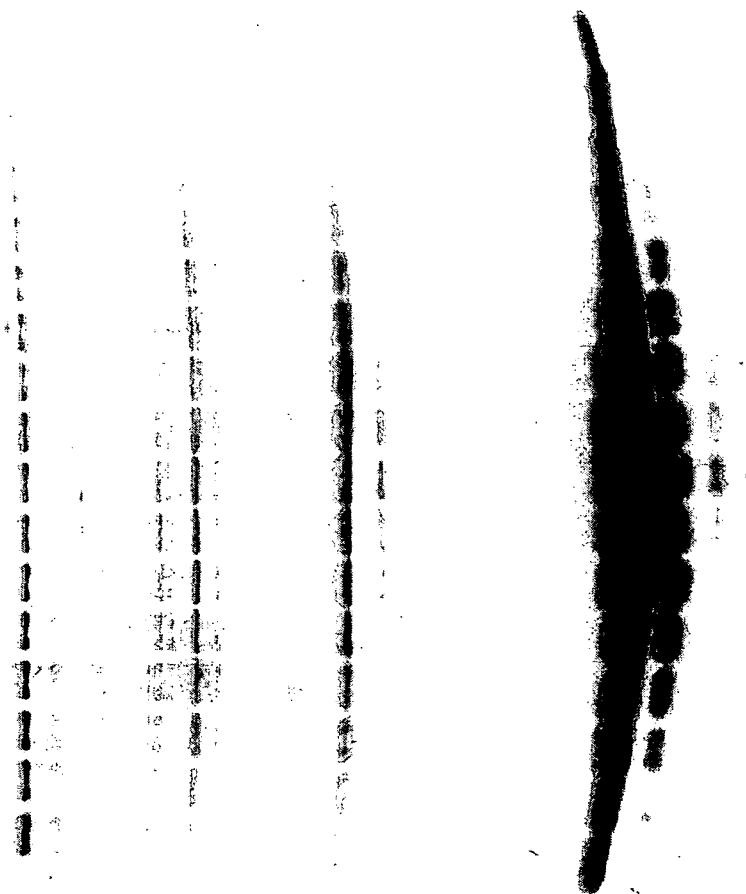
1 2 3 4 5 6 7 8 9 10 11 12 13 14

Fig. 1B



1 2 3 4 5 6 7 8 9 10 11 12 13 14

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Dkt. No. 1700.0310001; Group Art Unit: *To Be Assigned*
Inventors: Bachmann *et al.*; Tel: 202/371-2600
Title: **Molecular Antigen Arrays**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Fig. 1C

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Dkt. No. 1700.0310001; Group Art Unit: *To Be Assigned*
Inventors: Bachmann *et al.*; Tel: 202/371-2600
Title: Molecular Antigen Arrays

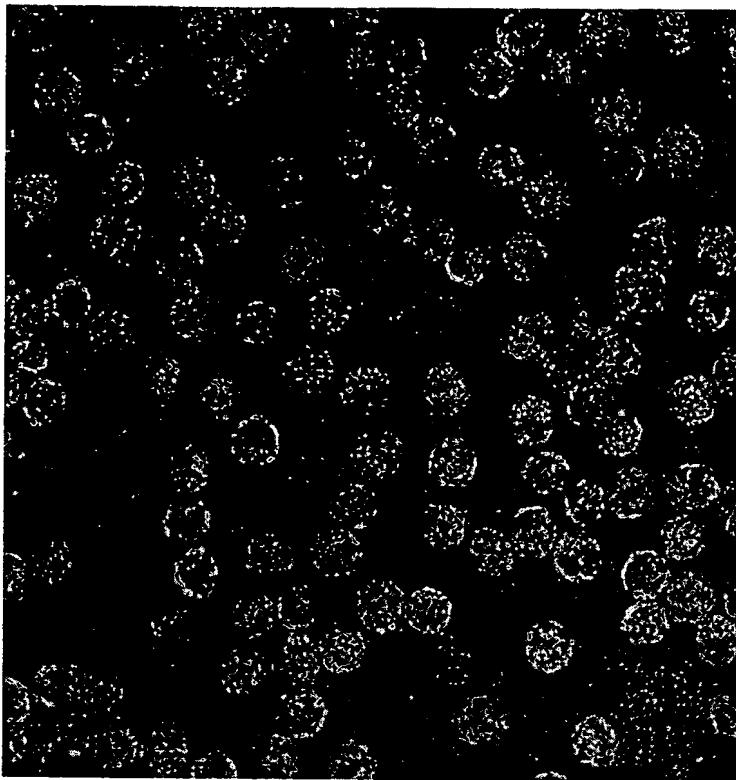


Fig. 1E

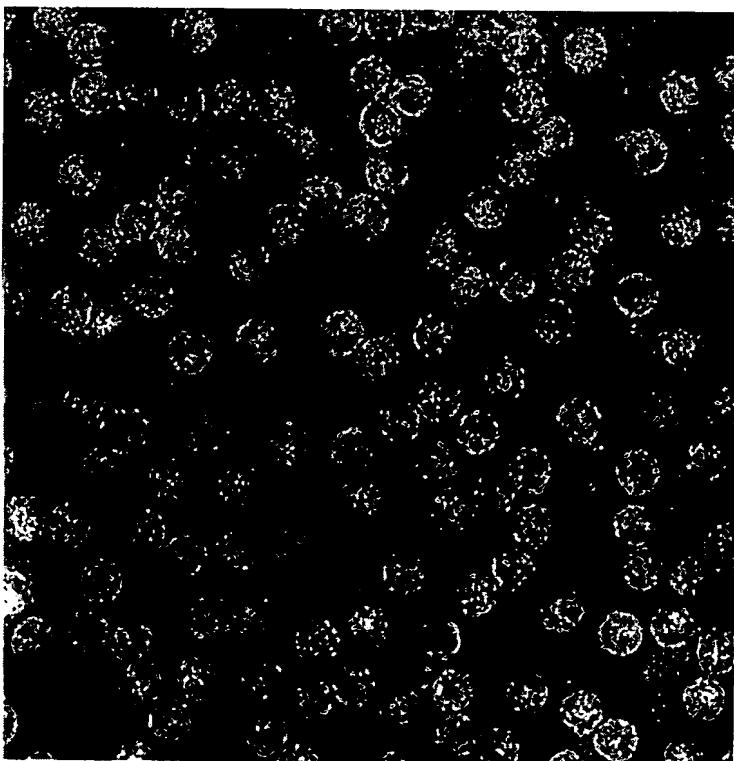


Fig. 1D

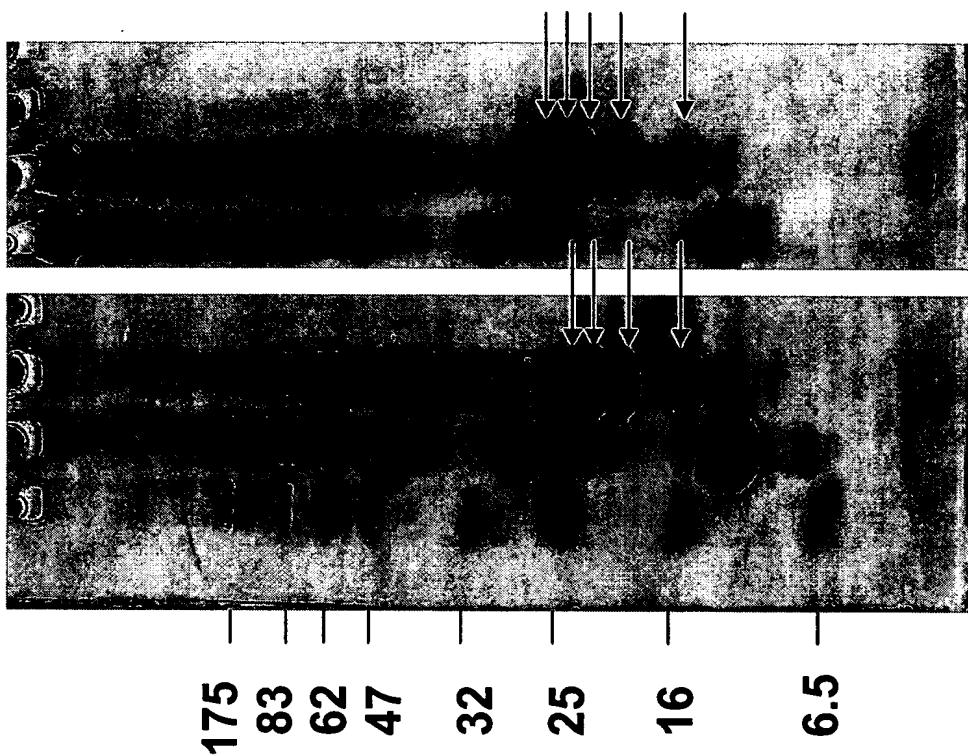


Fig. 2

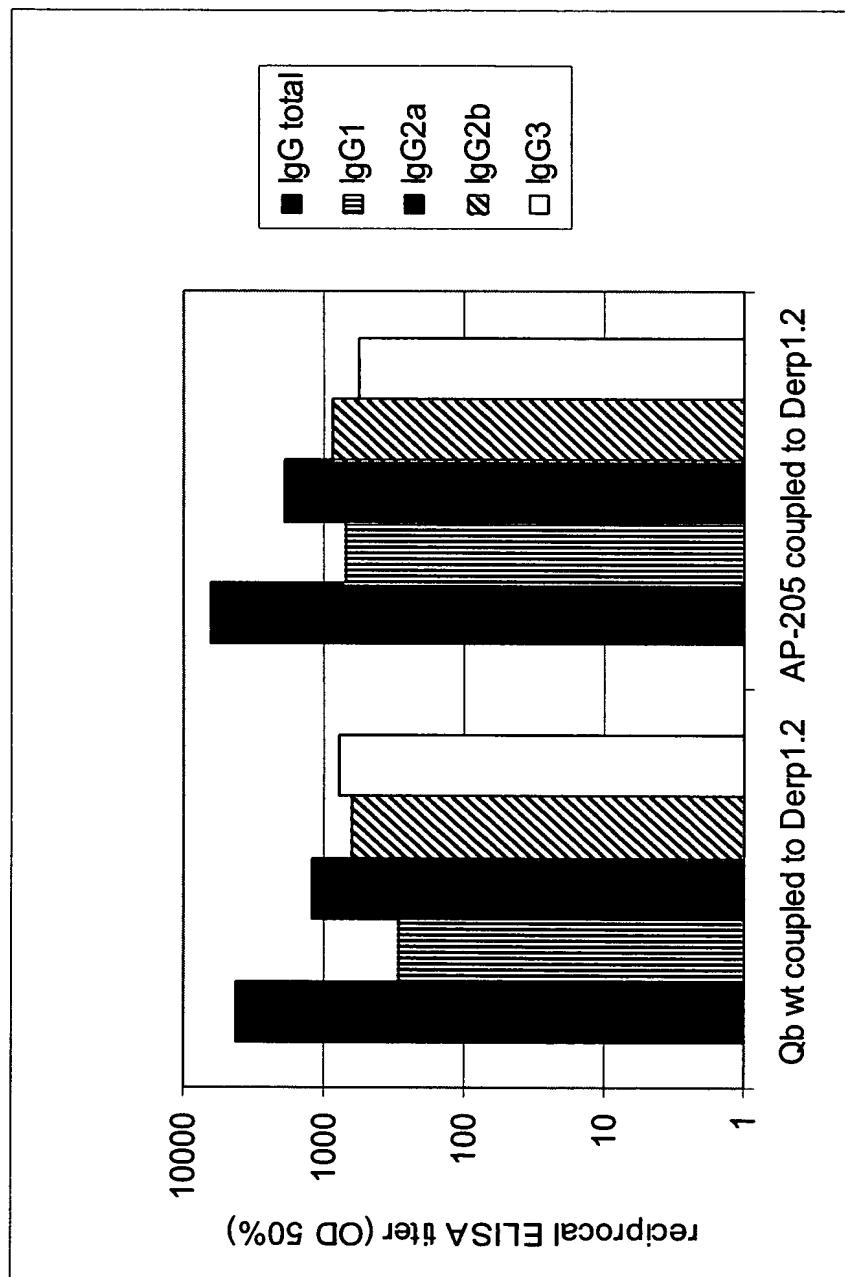


Fig. 3

	Nhe I												Linker																				
1	GAT	CCA	GCA	GCT	GGG	CTC	GAG	GTG	CTA	GCG	GGA	GGG	GGT	GGA	TGT	GGG	D	P	A	A	G	L	E	V	L	A	G	G	G	G	G	C	G
	Xa												Linker																				
	Factor Xa												Hind III												hu IgG1								
49	ATC	GAA	GGT	CGC	AAG	CTT	ACT	CAC	ACA	TGC	CCA	CCG	TGC	CCA	GCA	CCT	I	E	G	R	K	L	T	H	T	C	P	P	C	P	A	P	
97	GAA	GCC	GAG	GGG	GCA	CCG	TCA	GTC	TTC	CTC	TTC	CCC	CCA	AAA	CCC	AAG	E	A	E	G	A	P	S	V	F	L	F	P	P	K	P	K	
145	GAC	ACC	CTC	ATG	ATC	TCC	CGG	ACC	CCT	GAG	GTC	ACA	TGC	GTG	GTG	GTG	D	T	L	M	I	S	R	T	P	E	V	T	C	V	V	V	V
193	GAC	GTG	AGC	CAC	GAA	GAC	CCT	GAG	GTC	AAG	TTC	AAC	TGG	TAC	GTG	GAC	D	V	S	H	E	D	P	E	V	K	F	N	W	Y	V	D	
241	GGC	GTG	GAG	GTG	CAT	AAT	GCC	AAG	ACA	AAG	CCG	CGG	GAG	GAG	CAG	TAC	G	V	E	V	H	N	A	K	T	K	P	R	E	E	Q	Y	
289	AAC	AGC	ACG	TAC	CGT	GTG	GTC	AGC	GTC	CTC	ACC	GTC	CTG	CAC	CAG	GAC	N	S	T	Y	R	V	V	S	V	L	T	V	L	H	Q	D	
337	TGG	CTG	AAT	GGC	AAG	GAG	TAC	AAG	TGC	AAG	GTC	TCC	AAC	AAA	GCC	CTC	W	L	N	G	K	E	Y	K	C	K	V	S	N	K	A	L	
385	CCA	GCC	TCC	ATC	GAG	AAA	ACC	ATC	TCC	AAA	GCC	AAA	GGG	CAG	CCC	CGA	P	A	S	I	E	K	T	I	S	K	A	K	G	Q	P	R	
433	GAA	CCA	CAG	GTG	TAC	ACC	CTG	CCC	CCA	TCC	CGG	GAT	GAG	CTG	ACC	AAG	E	P	Q	V	Y	T	L	P	P	S	R	D	E	L	T	K	
481	AAC	CAG	GTC	AGC	CTG	ACC	TGC	CTG	GTC	AAA	GGC	TTC	TAT	CCC	AGC	GAC	N	Q	V	S	L	T	C	L	V	K	G	F	Y	P	S	D	
529	ATC	GCC	GTG	GAG	TGG	GAG	AGC	AAT	GGG	CAG	CCG	GAG	AAC	AAC	TAC	AAG	I	A	V	E	W	E	S	N	G	Q	P	E	N	N	Y	K	
577	ACC	ACG	CCT	CCC	GTG	TTG	GAC	TCC	GAC	GGC	TCC	TTC	TTC	CTC	TAC	AGC	T	T	P	P	V	L	D	S	D	G	S	F	F	L	Y	S	
625	AAG	CTC	ACC	GTG	GAC	AAG	AGC	AGG	TGG	CAG	CAG	GGG	AAC	GTC	TTC	TCA	K	L	T	V	D	K	S	R	W	Q	Q	G	N	V	F	S	
673	TGC	TCC	GTG	ATG	CAT	GAG	GCT	CTG	CAC	AAC	CAC	TAC	ACG	CAG	AAG	AGC	C	S	V	M	H	E	A	L	H	N	H	Y	T	Q	K	S	
721	CTC	TCC	CTG	TCT	CCG	GGT	AAA	TGA	C								L	S	L	S	P	G	K	-									

FIG. 4A

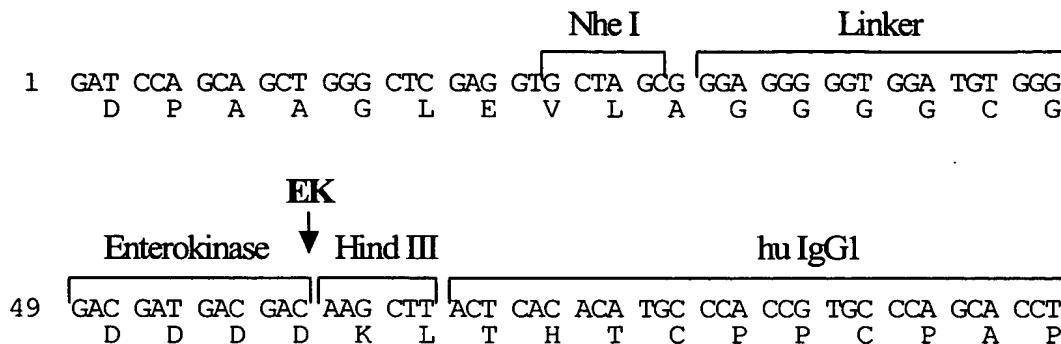


FIG. 4B

1 ATG GAG ACA GAC ACA CTC CTG CTA TGG GTA CTG CTG CTC TGG GTT CCA
M E T D T L L L W V L L L W V P

Hind III	Nhe I
49 GGT TCC ACT GGT GAC GCG GAT CCA GCA GCT GGG CTC GAG GTG CTA GCG <i>G S T G P A D P A A G L E V L A</i>	<i>G S T G P A D P A A G L E V L A</i>

EK

Linker Enterokinase ↓ Hind III hu IgG1

97 GGA GGG GGT GGA TGT GGG GAC GAT GAC GAC AAG CTT ACT CAC ACA TGC
 G G G G C G D D D D K L T H T

FIG. 4C



Fig. 5B

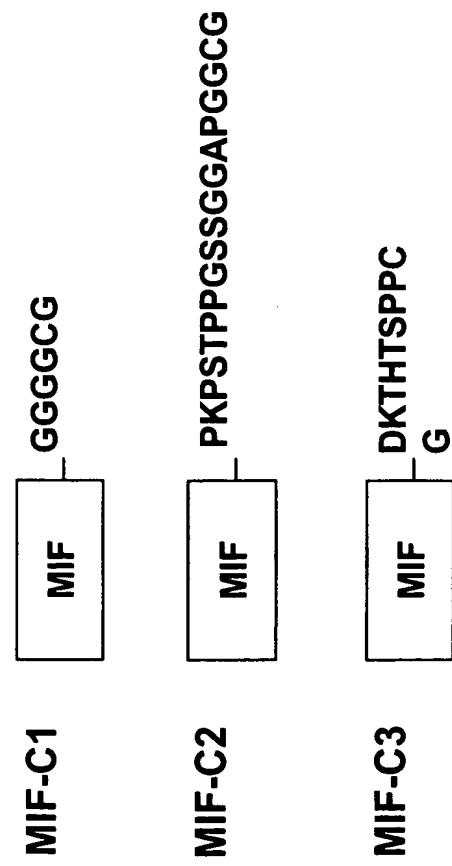


Fig. 5A

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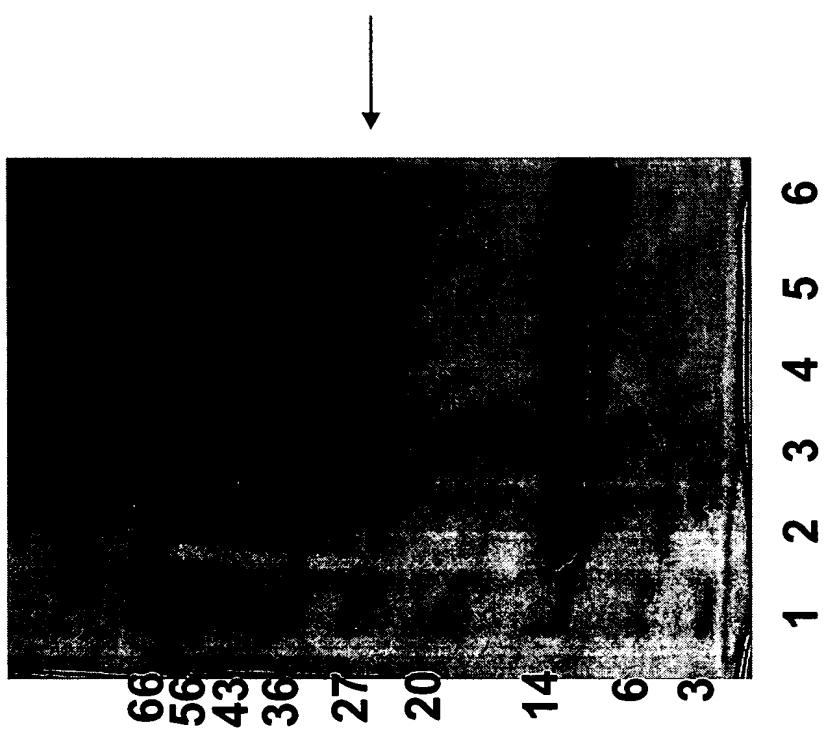


Fig. 6

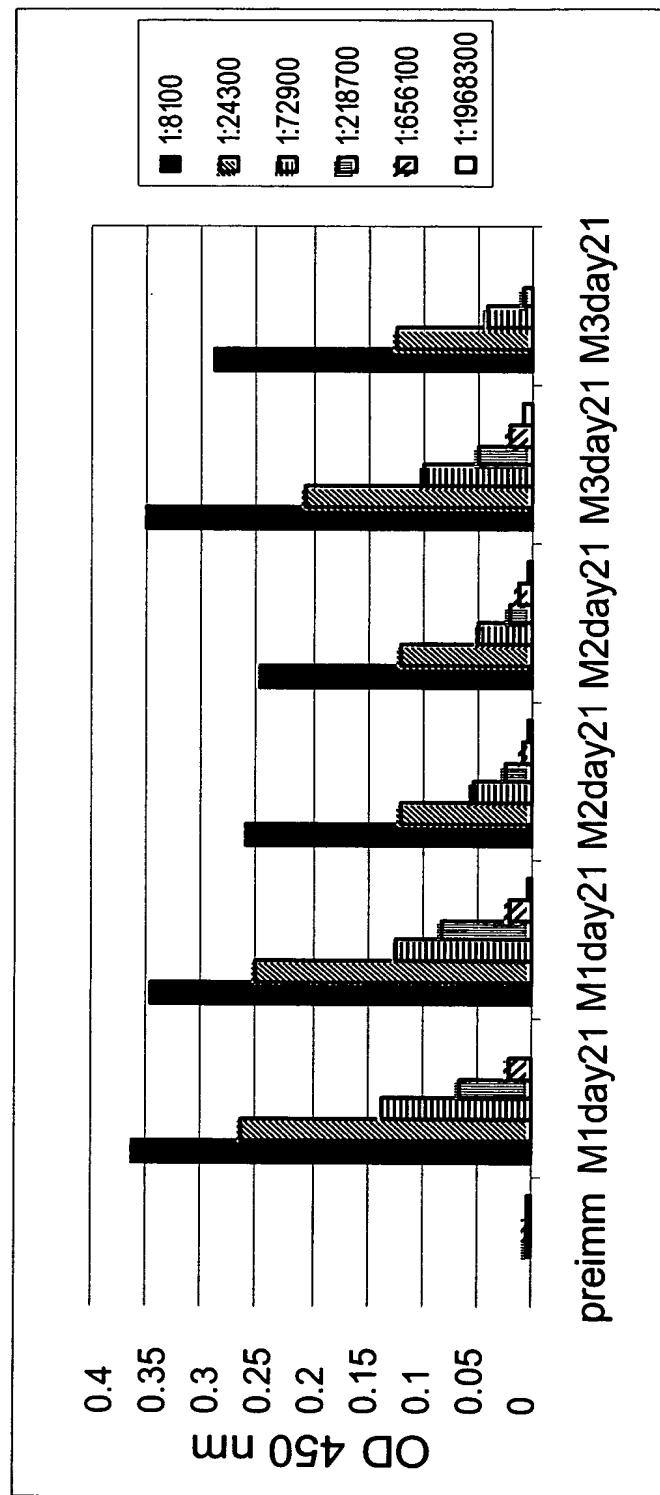


Fig. 7

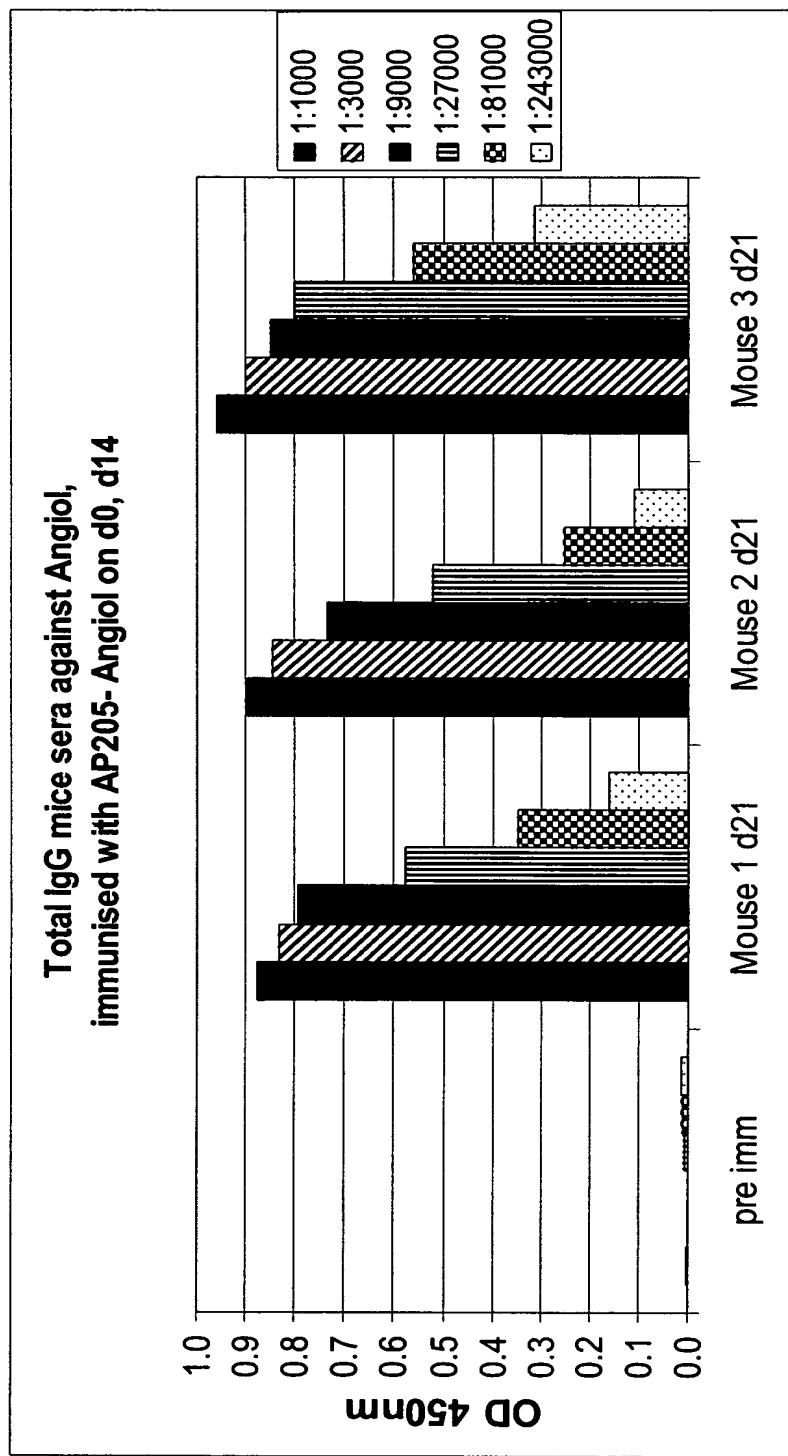


Fig. 8